Manuals
Service Manual

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Welch Allyn®

VIDEO PATH™ **Veterinary Imaging System**

Model 23100V, 23100VP, 23101V & 23101VP

CE

Operating Instruction Manual

Thank you for purchasing the Welch Allyn VideoPath Veterinary Imaging System. The operating and maintenance instructions found in this manual should be followed to ensure years of reliable service. Please read these instructions thoroughly before using your VideoPath Veterinary Imaging System.

If you have questions regarding any Welch Allyn products please call Customer Service at (800)535-6663

CE

The CE mark indicates this product has been tested to, and conforms with, the provisions noted in both the 89/336/EEC Electromagnetic Compatibility Directive and the 73/23/EEC Low Voltage Directive.

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INTRODUCTION

The Welch Allyn VideoPath Veterinary Imaging System is a portable, battery operated video camera to be used for obtaining high quality video images during the practice of veterinary medicine. The 23100V Video Path Veterinary Imaging System consists of a video head, two re-usable specula, and a video output cable. A 3.5 volt Welch Allyn power handle and a video monitor are necessary for the on screen display of video images.

The VideoPath Veterinary Imaging System is designed for “Plug and Play” operation, meaning that all adjustments including focus, illumination and white balance are pre-set at the factory.

Video imaging offers several advantages over direct visualization. higher level of magnification allows more detailed viewing of small structures. The ability to view the image on a monitor allows the user to remain at arms distance from the animal facilitating conscious inspection of the small cavities. Finally, by using the VideoPath Veterinary Imaging System clients and colleagues can enjoy a higher level of involvement in the diagnosis and treatment of companion animals.

SAFETY & WARNINGS

DO NOT USE IN THE PRESENCE OF FLAMABLE ANESTHETICS

In order to obtain optimum video performance and ensure patient safety, it is important that this booklet be read thoroughly prior to using the instrument. If you have any technical or clinical questions concerning the use and / or care of the VideoPath Veterinary Imaging System, please call our Customer Service Department at (800)535-6663.

- The VideoPath Veterinary Imaging System is designed expressly for use with Welch Allyn 3.5v, rechargeable battery handles. The system will be damaged if alternate power sources are attached to the video head. Do not use the video head with a wall transformer.
- The VideoPath Veterinary Imaging System is not waterproof; do not drip fluids onto it.
- Do not use this instrument for any purpose other than specified in this booklet. Doing so will invalidate the instrument's warranty.
- Do not use the VideoPath Veterinary Imaging System if you notice any signs of damage to the components of the system. Contact our Customer Service Department for immediate assistance.
- Do not attempt to disinfect the VideoPath Veterinary Imaging System using gluteraldehyde products, ethylene oxide gas, steam or any other liquid or gas disinfectant.

SETUP

1. Attach the video head to any 3.5V Welch Allyn rechargeable battery handle. **DO NOT ATTACH TO A WALL TRANSFORMER.**
2. With the power off, connect the video cable (supplied) to the output on the back of the Video head.
3. Connect the other end of the video cable to the “Input” or “Video In” on the video monitor, VCR, or other composite video input.
4. Attach the reusable speculum, provided with the system, to the video head by rotating clockwise. The quality of the video image will deteriorate if other speculum are used.
5. Turn on the power switch on the monitor
6. Turn the rheostat on the power handle to **FULL POWER**. For optimum performance, the VideoPath Veterinary Imaging System should always be used with the rheostat set on maximum brightness. The electronic controls within the Video System will automatically optimize the brightness of the image.

No further adjustments are necessary on the video head. The color and brightness controls on the video monitor may need to be adjusted to obtain the best possible picture quality.

USING THE VIDEOPATH VETERINARY IMAGING SYSTEM

The VideoPath Veterinary Imaging System allows the visual anatomy to be shared with a client or colleague. Indications for use include:

Inspection of the ear canal in companion animals

Oral and dental inspection

Observation of dermatitis or other skin conditions

Other small cavity inspection including

Vaginal

Anal

Nasal

Phyarngeal

LAMP REPLACEMENT

(Caution: The lamp base can get very hot. Be certain the lamp has cooled before attempting to remove the lamp assembly.)

The VideoPath Veterinary Imaging System Video Camera uses Welch Allyn lamp # 03500. Average lamp life is 20 hours.

To replace the lamp, remove the Camera Head from the power handle. From the bottom of the Video Head, grasp the base of the lamp and pull straight out from the Video Head. A forceps or needle nose pliers may be needed to firmly grasp the black lamp base.

Insert the new lamp assembly by pushing the new lamp assembly firmly into the Video Head. Attach the power handle to firmly seat the lamp. Avoid removing the lamp for reasons other than replacement.

BATTERY REPLACEMENT

Caution: The battery handle must be disconnected from the supply when removing batteries.

Non-Convertible Handle

Plastic Insulator Cap

When a rechargeable battery will no longer accept a charge, replace as follows:

1. Unscrew bottom cap.
2. Shake out old battery.
3. Insert replacement battery Important: Please note battery polarity (see figure).

Caution: Insert battery fully until seated.

For Models 71000, 71020, 70700, and 70720 (non-convertible, rechargeable handles with self-contained charger), insure that plastic insulator cap is intact and securely seated on spring. If missing, or damaged, install new cap before using.

Warning:

1. Only a Welch Allyn Battery is to be used. Do not use any other non-rechargeable battery.
2. Batteries must be removed prior to disposal of product.
3. Used batteries are to be disposed of safely and in accordance with local disposal requirements.
4. If leaking batteries are encountered, use protective equipment when handling batteries to avoid contact of battery fluids with the skin. Then dispose of batteries safely in accordance with local authorities.

CLEANING & STORAGE

The VideoPath Veterinary Imaging System Video housings can be cleaned with a cloth dampened with warm water, alcohol, or a non-staining disinfectant such as Sporicidin® Spray and Towelettes or MetriSpray®. Liquids should not be dripped onto the surfaces of the Camera Head or Handle as they are not watertight. Care should be taken not to scratch the lens of the camera. DO NOT USE STEAM, ETO OR OTHER GAS STERILANTS TO STERILIZE THE PRODUCT.

The VideoPath Veterinary Imaging System should be stored in a dry, temperature controlled environment. Unnecessary exposure to extremes in temperature and humidity should be avoided.

REPLACEMENT PARTS:

Part Number	Description
23100V	VideoPath Veterinary Imaging System (NTSC)
23100VP	VideoPath Veterinary Imaging System (PAL)
23101V	VideoPath Veterinary Imaging System with 3.5V Power Handle (NTSC)
23101VP	VideoPath Veterinary Imaging System with 3.5V Power Handle (PAL)
22164	Reusable Speculum, 4mm
22165	Reusable Speculum, 5mm
45518	Video Cable
03500	Replacement Lamp
72300	Replacement Battery
23160	Connector, RCA-f to BNC-m

LIMITED WARRANTY

YEAR LIMITED WARRANTY ON NEW INSTRUMENTS

Instrumentation purchased new from Welch Allyn, Inc. (Welch Allyn) is warranted to be free from original defects in the material and workmanship under normal use and service for a period of one year from the date of first shipment from Welch Allyn. This warranty shall be fulfilled by Welch Allyn or its authorized representative repairing or replacing at Welch Allyn's discretion, any such defect, free of charge for parts and labor.

Welch Allyn should be notified via telephone of any defective product and the item should be immediately returned, securely packaged and postage prepaid to Welch Allyn. Loss or damage in shipment shall be at purchaser's risk.

Welch Allyn will not be responsible for loss associated with the use of any Welch Allyn product that (1) has had the serial number defaced, (2) has been repaired by anyone other than an authorized Welch Allyn Service Representative, (3) has been altered, or (4) has been used in a manner other than in accordance with instructions.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY IMPLIE WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESSED OR IMPLIED. WELCHALLYN WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Welch Allyn®

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